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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	20	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	21	JUN 13	FRFULL enhanced with patent drawing images
NEWS	22	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	23	JUL 01	MEDICONF removed from STN
NEWS	24	JUL 07	STN Patent Forums to be held in July 2005
NEWS	25	JUL 13	SCISEARCH reloaded
NEWS EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:27:21 ON 20 JUL 2005

=> file agricola caplus biosis

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'AGRICOLA' ENTERED AT 13:27:28 ON 20 JUL 2005

FILE 'CAPLUS' ENTERED AT 13:27:28 ON 20 JUL 2005

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FILE 'BIOSIS' ENTERED AT 13:27:28 ON 20 JUL 2005

Copyright (c) 2005 The Thomson Corporation

=> s act2 or act 2 or actin2 or actin 2

L1 485 ACT2 OR ACT 2 OR ACTIN2 OR ACTIN 2

=> s l1 and promoter

L2 68 L1 AND PROMOTER

=> s l2 and arabidopsis

L3 39 L2 AND ARABIDOPSIS

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 27 DUP REM L3 (12 DUPLICATES REMOVED)

=> d 1-10 ti

L4 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

TI The **Arabidopsis** CDC25 induces a short cell length when overexpressed in fission yeast: Evidence for cell cycle function

L4 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method of controlling transgene expression and cellular process in plants by externally applied signal

L4 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method of switching on cellular processes in plants by externally applied polypeptides

L4 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method of controlling cellular process in plants by externally applied signal

L4 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2

TI A ROS Repressor-mediated Binary Regulation System for Control of Gene Expression in Transgenic Plants

L4 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

TI Heat-stable, protease-resistant chaperonin-like oligomeric proteins of plants, cDNAs encoding them and their use in the expression of foreign genes in plants

L4 ANSWER 7 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 3

TI Multiple conserved 5' elements are required for high-level pollen expression of the **Arabidopsis** reproductive actin ACT1.

L4 ANSWER 8 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 4

TI An **Arabidopsis** **ACT2** dominant-negative mutation, which disturbs F-actin polymerization, reveals its distinctive function in root development.

L4 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

TI Transformation of peanut using a modified bacterial mercuric ion reductase gene driven by an actin **promoter** from **Arabidopsis thaliana**

L4 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

TI Heat-stable, protease-resistant chaperonin-like oligomeric proteins of plants, cDNAs encoding them and their use in the expression of foreign genes in plants

=> d 10 so

L4 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

SO PCT Int. Appl., 164 pp.
CODEN: PIXXD2

=> d 10 pi

L4 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002070647	A2	20020912	WO 2002-IL174	20020305
WO 2002070647	C1	20031127		
WO 2002070647	A3	20041007		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2440358	AA	20020912	CA 2002-2440358	20020305
EP 1481061	A2	20041201	EP 2002-701532	20020305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003092624	A1	20030515	US 2002-233409	20020904
US 2005074763	A1	20050407	US 2003-468841	20030903

=> d 8 so

L4 ANSWER 8 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 4

SO Plant and cell physiology, 2003 Nov. Vol. 44, no. 11 p. 1131-1140
ISSN: 0032-0781

=> d 9 so

L4 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

SO Journal of Plant Physiology (2003), 160(8), 945-952
CODEN: JPPHEY; ISSN: 0176-1617

=> d 11-20 ti

- L4 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of arsenate reductase, γ -glutamylcysteine synthase, glutathione synthase or phytochelatin synthase for heavy metal resistance of transgenic plants and phytoremediation of environmental contamination
- L4 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Crucifer tobamovirus vector containing internal ribosome entry sites for cap-independent translation of heterologous genes in transgenic plants
- L4 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Construction of regulated systems in plants using multiple transformations using infection with a plant viral vector to initiate regulated processes
- L4 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Both vegetative and reproductive actin isoforms complement the stunted root hair phenotype of the **Arabidopsis act2-1** mutation
- L4 ANSWER 15 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
TI **ACTIN2** is essential for bulge site selection and tip growth during root hair development of **arabidopsis**.
- L4 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Engineering tolerance and hyperaccumulation of arsenic in plants by combining arsenate reductase and γ -glutamylcysteine synthetase expression
- L4 ANSWER 17 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI High level arsenic and mercury resistance in plants overexpressing bacterial gamma-glutamylcysteine synthetase.
- L4 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Promoters of **Arabidopsis** actin and elongation factor EF1 α genes and their use in driving expression of herbicide resistance genes in transgenic plants
- L4 ANSWER 19 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 6
TI One plant actin isoform, ACT7, is induced by auxin and required for normal callus formation.
- L4 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7
TI Expression of a bifunctional green fluorescent protein (GFP) fusion marker under the control of three constitutive promoters and enhanced derivatives in transgenic grape (*Vitis vinifera*)

=> d 15 so

- L4 ANSWER 15 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
SO Plant physiology, Aug 2002. Vol. 129, No. 4. p. 1464-1472
CODEN: PLPHAY; ISSN: 0032-0889

=> d 17 so

- L4 ANSWER 17 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on

STN
SO Plant Biology (Rockville), (2002) Vol. 2002, pp. 153-154. print.
Meeting Info.: Annual Meeting of the American Society of Plant Biologists
on Plant Biology. Denver, CO, USA. August 03-07, 2002. American Society of
Plant Biologists.

=> d 20 so

L4 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7
SO Plant Science (Shannon, Ireland) (2001), 160(5), 877-887
CODEN: PLSCE4; ISSN: 0168-9452

=> d 21-27 ti

L4 ANSWER 21 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI Expression of a GFP fusion marker under the control of three constitutive
promoters and enhanced derivatives in transgenic grape.

L4 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Regulation of viral gene expression by sense and antisense-expressing
cassettes forming double-stranded RNA

L4 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of **Arabidopsis ACT2** gene promoter for
gene expression in Compositae

L4 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Arabidopsis** DNA encoding a Mg²⁺, Zn²⁺/H⁺ exchanger, and
transgenic plants with enhanced stress tolerance

L4 ANSWER 25 OF 27 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2005) on STN
TI The **Arabidopsis thaliana** ACT4/ACT12 actin gene subclass is
strongly expressed throughout pollen development.

L4 ANSWER 26 OF 27 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2005) on STN DUPLICATE 8
TI Strong, constitutive expression of the **Arabidopsis ACT2**
/ACT8 actin subclass in vegetative tissues.

L4 ANSWER 27 OF 27 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2005) on STN
TI Conserved expression of the **Arabidopsis** ACT1 and ACT3 actin
subclass in organ primordia and mature pollen.

=> d 22 so

L4 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
SO PCT Int. Appl., 75 pp.
CODEN: PIXXD2

=> d 22 pi

L4	ANSWER 22 OF 27	CAPLUS	COPYRIGHT 2005 ACS on STN		
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2000068374	A1	20001116	WO 2000-EP4117	20000508

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2369422 AA 20001116 CA 2000-2369422 20000508
 EP 1177283 A1 20020206 EP 2000-927165 20000508

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

BR 2000010496 A 20020402 BR 2000-10496 20000508
 TR 200103088 T2 20020521 TR 2001-200103088 20000508
 JP 2002543783 T2 20021224 JP 2000-616341 20000508
 ZA 2001009152 A 20020906 ZA 2001-9152 20011106

=> d 23 pi

L4 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037661	A1	20000629	WO 1999-GB4317	19991216
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

=> d 24 so

L4 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2

=> d 24 pi

L4 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9961616	A2	19991202	WO 1999-IL277	19990525
WO 9961616	A3	20000413		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9940562	A1	19991213	AU 1999-40562	19990525
US 6677506	B1	20040113	US 2000-701068	20001124

=> d 26 pi

'PI' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in

individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):so

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(2005) on STN DUPLICATE 8
- SO The Plant journal : for cell and molecular biology, July 1996. Vol. 10, No. 1. p. 107-121
Publisher: Oxford : BIOS Scientific Publishers Ltd and Blackwell Sciences Ltd.
ISSN: 0960-7412

=> d 26 ab

- L4 ANSWER 26 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2005) on STN DUPLICATE 8
- AB **Arabidopsis** has a complex and ancient actin gene family encoding six divergent subclasses of proteins. One sub-class is represented by **ACT2** and **ACT8**, which encode nearly identical proteins. These two genes differ significantly in flanking and intron sequences and in silent nucleotide positions within codons. Gene-specific RNA gel blot hybridization and reverse transcriptase-mediated polymerase chain reaction (RT-PCR) assays showed that **ACT2** and/or **ACT8** mRNAs were coordinately and strongly expressed in leaves, roots, stems, flowers, pollen, and siliques. Together they account for greater than 80% of the actin mRNA in most **Arabidopsis** organs. The 5' flanking regions, including the **promoter**, the mRNA leader exon, an intron in the mRNA leader, and the first 19 codons, were coupled to a beta-glucuronidase (GUS) reporter gene and transformed into **Arabidopsis**. The **ACT2/GUS** construct was expressed strongly in nearly all the vegetative tissues in seedlings, juvenile plants, and mature plants. These activities persisted in older tissues. Little or no expression was observed in seed coats, hypocotyls, gynoecia, or pollen sacs. In contrast, the expression of the **ACT8/GUS** construct was weaker. It was observed only in a subset of the organs and tissues expressing **ACT2/GUS** and was not significantly expressed in the flower. **ACT2**, **ACT8**, and **ACT8/GUS** mRNAs were present at moderate to high levels in pollen, and yet neither **ACT2/GUS** nor **ACT8/GUS** enzyme expression could be detected in pollen. This suggested a mechanism of translational control affecting **ACT2** and **ACT8** expression in some tissues. The conservation of protein sequence and overlapping patterns of expression, in spite of significant DNA sequence divergence, suggests that the function and regulation of these two genes have been conserved during the evolution of the Brassicaceae.

=> d 26 au

- L4 ANSWER 26 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2005) on STN DUPLICATE 8
- AU An, Y.Q.; McDowell, J.M.; Huang, S.; McKinney, E.C.; Chambliss, S.; Meagher, R.B.

=> d 27 ab

- L4 ANSWER 27 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2005) on STN
- AB We have proposed that ancient and divergent classes of plant actin genes have been preserved throughout vascular plant evolution, because they have

distinct patterns of gene regulation. The hypothesis was explored for ACT1 and ACT3, which represent one of the six ancient subclasses in the **Arabidopsis** actin gene family. Comparison of ACT1 and ACT3 cDNA and genomic sequences revealed highly divergent flanking and intron sequences, whereas they encoded nearly identical proteins. Quantification of their level of divergence suggests that they have not shared a common ancestor for 30 to 60 million years. Gene-specific RNA gel blot hybridization and reverse transcriptase-polymerase chain reaction analyses demonstrated that the distribution of ACT1 and ACT3 mRNAs was very similar: both preferentially accumulated at high levels in mature pollen and at very low levels in the other major organs. The 5' flanking regions of both genes, including the **promoter**, leader exon and intron, and the first 19 codons, were fused to the beta-glucuronidase (GUS) reporter gene. The expression of these reporter fusions was examined in a large number of transgenic **Arabidopsis** plants. Histochemical assays demonstrated that both ACT1-GUS and ACT3-GUS constructs were expressed preferentially in pollen, pollen tubes, and in all organ primordia, including those in roots, shoots, and the inflorescence. Comparison of the 5' flanking regions of ACT1 and ACT3 revealed a number of short conserved sequences, which may direct their common transcriptional and post-transcriptional regulation. The expression patterns observed were distinct from those of any other **Arabidopsis** actin subclass. The conservation of their expression pattern and amino acid sequences suggests that this actin subclass plays a distinct and required role in the plant cytoskeleton.

=> d 27 so

- L4 ANSWER 27 OF 27 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
- SO The Plant cell, Jan 1996. Vol. 8, No. 1. p. 15-30
 Publisher: [Rockville, MD : American Society of Plant Physiologists, c1989-
 CODEN: PLCEEW; ISSN: 1040-4651

=> s l4 and (compositae or lettuce or sunflower)

L5 2 L4 AND (COMPOSITAE OR LETTUCE OR SUNFLOWER)

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 2 DUP REM L5 (0 DUPLICATES REMOVED)

=> d 1-2 ti

- L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Promoters of **Arabidopsis** actin and elongation factor EFl α genes and their use in driving expression of herbicide resistance genes in transgenic plants
- L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Use of **Arabidopsis** ACT2 gene **promoter** for gene expression in **Compositae**

=> d ab

- L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
- AB The present invention relates to novel plant expression constructs containing cis regulatory elements of **arabidopsis** actin and elongation factor 1 α (EFl α) promoters. More specifically the present invention provides DNA constructs comprising 5' regulatory sequences for modulating the expression of operably linked genes in plants. The regulation of said promoters for the GUS gene expression in transgenic cotton plant were described. Further, the invention provides detailed

experiment data about the efficiency of several hybrid promoters when driving herbicide resistant genes in transgenic tomato, **arabidopsis**, **sunflower** and cotton under herbicide treatment.

=> d pi

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L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
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PI  WO 2001044457    A2     20010621    WO 2000-US33633        20001212
    WO 2001044457    A3     20020110
      W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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        HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
        LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
        SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
        ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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        DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
        BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
    CA 2394984        AA     20010621    CA 2000-2394984        20001212
    BR 2000016460      A     20020827    BR 2000-16460          20001212
    EP 1240340        A2     20020918    EP 2000-984233        20001212
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        IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
    TR 200201588      T2     20021021    TR 2002-200201588      20001212
    JP 2003516753     T2     20030520    JP 2001-545534        20001212
    US 2002144304     A1     20021003    US 2000-737626        20001215
    US 6660911        B2     20031209
    US 6462258        B1     20021008    US 2000-737698        20001215
    ZA 2002004773     A     20030919    ZA 2002-4773          20020613
    US 2003199681     A1     20031023    US 2003-427169        20030501
    US 6919495        B2     20050719
    US 2003199682     A1     20031023    US 2003-427180        20030501
    US 2005005332     A1     20050106    US 2004-909860        20040802
    US 2005022261     A1     20050127    US 2004-920869        20040818

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=> d 2 pi

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L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
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PI  WO 2000037661    A1     20000629    WO 1999-GB4317        19991216
      W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
        CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
        IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
        MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
        SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
        AZ, BY, KG, KZ, MD, RU, TJ, TM
      RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
        DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
        CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

```

=> s ((schepers f?) or (schepers, f?))/au

L7 42 ((SCHEPERS F?) OR (SCHEPERS, F?))/AU

=> s l7 and (actin2 or actin 2 or act 2 or act2)

L8 1 L7 AND (ACTIN2 OR ACTIN 2 OR ACT 2 OR ACT2)

=> d ti

```

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of Arabidopsis ACT2 gene promoter for gene expression in
   Compositae

```

```
=> s ((van dun c?) or (van dun, c?))/au
L9          26 ((VAN DUN C?) OR (VAN DUN, C?))/AU
```

```
=> s l9 and (actin2 or actin 2 or act 2 or act2)
L10         1 L9 AND (ACTIN2 OR ACTIN 2 OR ACT 2 OR ACT2)
```

```
=> d ti
```

```
L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI   Use of Arabidopsis ACT2 gene promoter for gene expression in
      Compositae
```

```
=> s (pertijs j?) or (pertijs, j?))/au
UNMATCHED RIGHT PARENTHESIS 'J?))/AU'
The number of right parentheses in a query must be equal to the
number of left parentheses.
```

```
=> s( (pertijs j?) or (pertijs, j?))/au
S( IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> s ((pertijs j?) or (pertijs, j?))/au
L11         16 ((PERTIJS J?) OR (PERTIJS, J?))/AU
```

```
=> s l11 and (actin2 or actin 2 or act 2 or act2)
L12         1 L11 AND (ACTIN2 OR ACTIN 2 OR ACT 2 OR ACT2)
```

```
=> d ti
```

```
L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI   Use of Arabidopsis ACT2 gene promoter for gene expression in
      Compositae
```

WEST Search History

[Hide Items](#)[Restore](#)[Clear](#)[Cancel](#)

DATE: Wednesday, July 20, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L11	L10 and (compositae or sunflower or lettuce)	55
<input type="checkbox"/>	L10	L9 and arabidopsis	58
<input type="checkbox"/>	L9	actin2 promoter or act 2 promoter or act2 promoter	61
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L8	l7 and arabidopsis	21
<input type="checkbox"/>	L7	actin2 promoter or act 2 promoter or act2 promoter	22
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L6	L3 and (actin2 promoter or act 2 promoter or act2 promoter)	33
<input type="checkbox"/>	L5	L3 and (sunflower or lettuce)	119
<input type="checkbox"/>	L4	L3 and compositae	3
<input type="checkbox"/>	L3	L2 and arabidopsis	162
<input type="checkbox"/>	L2	L1 and promoter	317
<input type="checkbox"/>	L1	actin 2 or act 2 or act2	968

END OF SEARCH HISTORY